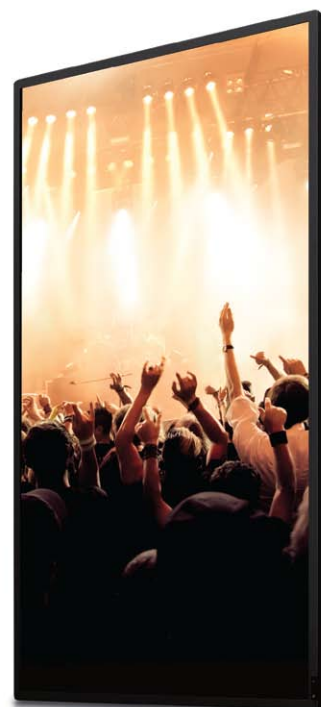**SONY**
make.believe

FWD-S55H2/ S46H2/S42H2 Full HD LED Public Display

LED backlighting, high brightness and superb picture quality, together with low power consumption

Simulated images

High Brightness and High Quality Images
The FWD-S55H2 offers high brightness of 1000 cd/m^2 and the FWD-S46H2 and FWD-S42H2 offer 700 cd/m^2. All S-Series displays deliver images with high brightness and high contrast, even in large venues and in places with bright ambient lighting.

High contrast 4000:1

Low contrast

Simulated images

The FWD-S Series displays combine the astounding picture quality of 1920 x 1080 Full High Definition with high brightness and a slim installation design. They are the perfect choice for captivating and colourful displays, even in large venues and in places with bright ambient lighting. Furthermore, these eco-conscious displays incorporate innovative LED backlighting offering low power consumption, thus lowering running costs.

Due to the commercial-grade LCD panel, these displays are suitable for continuous 24 hour (24/7*) applications.

The FWD-S Series displays have been designed to be mounted horizontally and vertically for use in a variety of digital signage applications including shopping malls, airports, rental staging and medical applications.

All models come with a 3-year warranty for professional use.

* To retain the life of the panel, we recommend that the display is put on standby for at least one hour every 24 hours.

Landscape/Portrait
Because they use commercial-grade LCD panels and cooling systems, these displays can be positioned either vertically (portrait) or horizontally (landscape) with no change in the backlight level or service life. This orientation flexibility makes it possible to create many different imaging effects in a wide variety of spaces.

Low Power and Energy Efficient
The FWD-S55H2, FWD-S46H2 and FWD-S42H2 offer low power consumption with LED backlighting (at least 45% less than a conventional CCFL model from Sony*). This feature helps to reduce the total cost of ownership by lowering running costs.
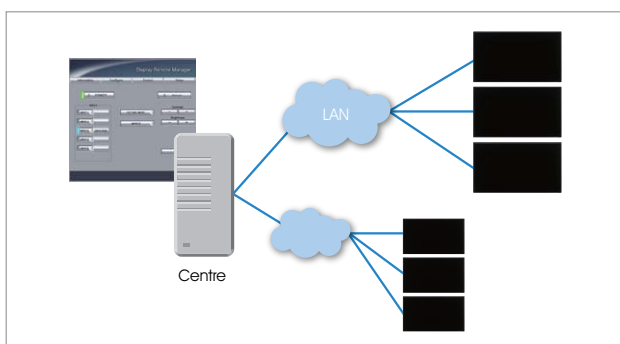
* Per unit area

Simulated images

Picture-in-Picture

All S-Series displays allow the picture from a secondary source to be displayed within the main picture.
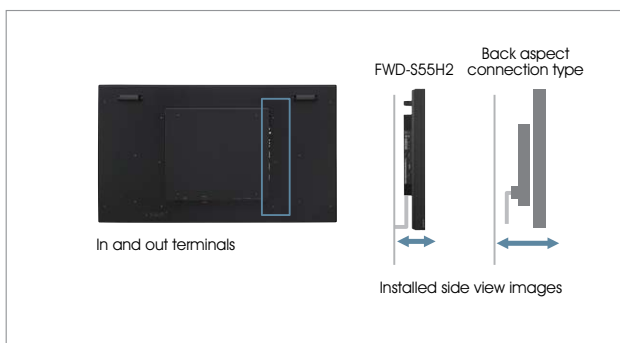
Display Control Via RS232C/RJ45

Users can monitor the display status and control multiple displays over LAN, VPN, or the Internet using Microsoft® Internet Explorer® 7.0 or later.
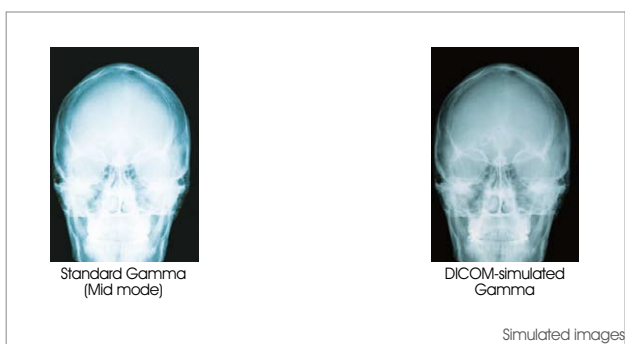
Centre

Slim Installation Design

The depth of the displays is at least 20% less than that of a conventional CCFL model from Sony. For slim installation, the Signal In and Signal Out terminals are incorporated into this profile and do not protrude from the unit.

FWD-S55H2
Back aspect connection type
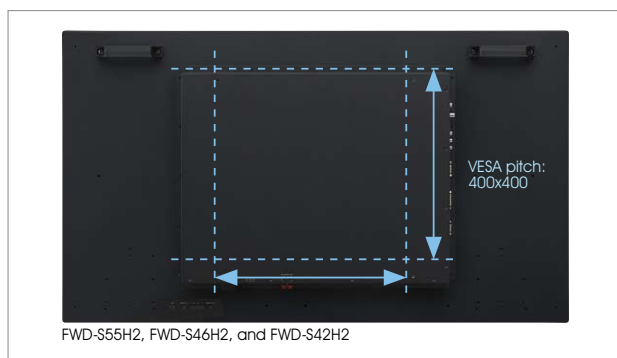
In and out terminals

Installed side view images

DICOM-simulated Gamma Setting

The gamma setting is in accordance with the DICOM (Digital Imaging and Communications in Medicine) GSDF (Grayscale Standard Display Function) standard.

Standard Gamma (Mid mode)

DICOM-simulated Gamma

Simulated images

VESA-compliant Flexible Mounting

VESA-compliant mounting points help ensure safety when units are mounted. Optional mounting brackets are sold separately.

VESA pitch: 400x400

FWD-S55H2, FWD-S46H2, and FWD-S42H2

Multi-display

All S-Series displays can present a single large dynamic image, simply by combining up to 16 display units (1x2, 1x3, 1x4, 2x1, 3x1, 4x1, 2x2, 3x3, 4x4)*.

* Multi-display function supports progressive signals only.

Screen Saver

Images with constant brightness (such as data and still images) can cause screen burn-in on a display. To prevent this, three screen saver patterns are provided and can be adapted for customer usage.

Eco mode

In Eco mode, power consumption is reduced using power-saving technology*. Compared with Standard mode, power consumption using the High setting is approximately 50% less in Eco mode and using the Low setting is approximately 30% less in Eco mode.

* Brightness is also lowered.

User-friendly Remote Control

Each display comes with a dedicated remote control unit, designed with careful attention to button shapes, sizes, spacing and layout. When working with multiple displays, the operator can use the remote's ID MODE button to control each display separately.
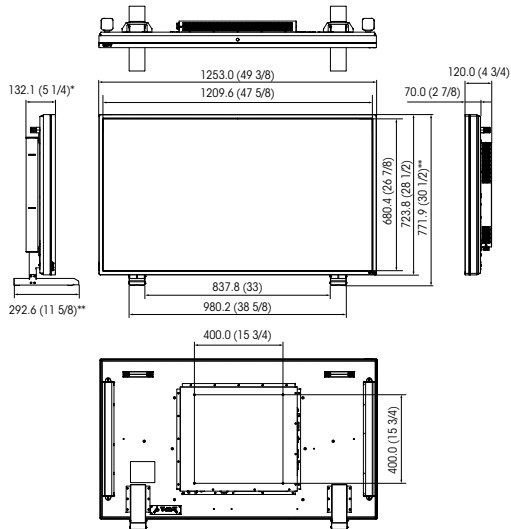
Control Panel Lock

The control panel lock function can disable the control panel of a display to prevent unauthorised changes to display settings.

Power-on Delay

Switching on multiple displays at the same time can potentially cause a damaging power surge. The Power-on Delay feature minimises this risk by allowing the user to stagger the timing so that each unit powers up at a slightly different time.
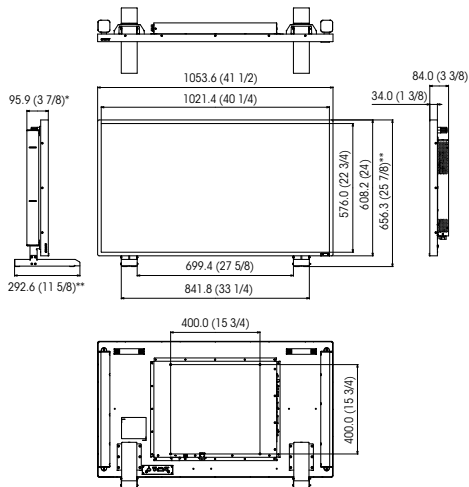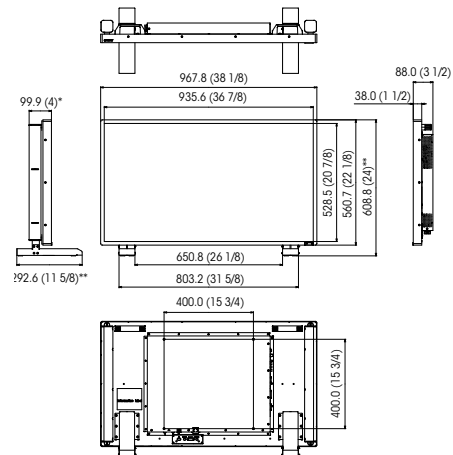
Dimensions

FWD-S55H2

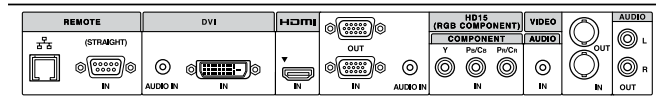* with Speaker ** with Tabletop stand   unit: mm (inches)
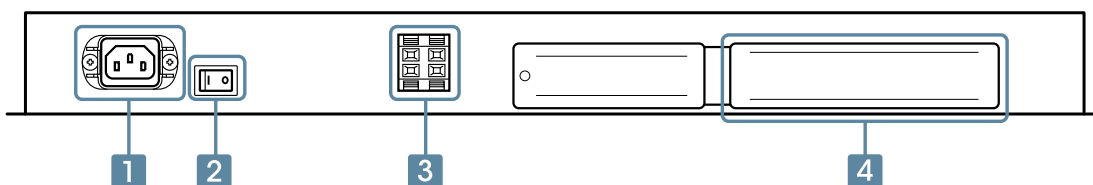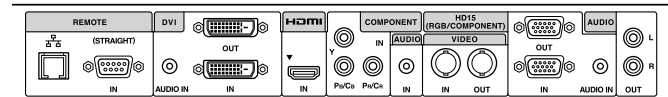
FWD-S46H2

FWD-S42H2

Connector Panel

FWD-S55H2

FWD-S46H2 and FWD-S42H2

1. AC In Socket
2. Main Power Switch
3. Speaker Socket
4. Option Slot

Specifications

	FWD-S55H2	FWD-S46H2	FWD-S42H2
LCD Panel			
Type	a-Si TFT Active Matrix LCD Direct lit type LED Backlight	a-Si TFT Active Matrix LCD Edge lit type LED Backlight	a-Si TFT Active Matrix LCD Edge lit type LED Backlight
Panel Size (diagonal)	55 inches	46 inches	42 inches
Picture Size (h x v)	1,209.6 x 680.4 mm (47 5/8 x 26 3/4 inches)	1018.1 x 572.7 mm (40 1/8 x 22 5/8 inches)	930.2 x 523.3 mm (36 5/8 x 20 5/8 inches)
Panel Resolution (h x v)	1920 x 1080 pixels, Full HD	1920 x 1080 pixels, Full HD	1920 x 1080 pixels, Full HD
Pixel Pitch	0.63 x 0.63 mm	0.53 x 0.53 mm	0.48 x 0.48 mm
Colour Depth	8 bits + FRC, 1.06 billion colours	8 bits + FRC, 1.06 billion colours	8 bits + FRC, 1.06 billion colours
Brightness	1000 cd/m2 (typical)	700 cd/m2 (typical)	700 cd/m2 (typical)
Contrast Ratio	4,000 : 1 (typical)	4,000 : 1 (typical)	4,000 : 1 (typical)
Viewing Angle*	178 degrees (typical)	178 degrees (typical)	178 degrees (typical)
Signal			
Colour System	NTSC, PAL	NTSC, PAL	NTSC, PAL
Sampling Rate	13.5 MHz to 162 MHz	13.5 MHz to 165 MHz	13.5 MHz to 165 MHz
Inputs/Outputs			
Digital Video	HDMI (1080p) in with audio in DVI in with audio in Rev. 1.0 compliant	HDMI(1080p) in with audio in DVI in with audio in Rev. 1.0 compliant DVI out	HDMI(1080p) in with audio in DVI in with audio in Rev. 1.0 compliant DVI out
Analogue Video	HD15 in with audio in (RGB/Component Video) HD15 out (RGB/Component Video) Composite Video in/out with audio in** (BNC (x2)) Component Video in with audio in** (pin jack (x3))	HD15 in with audio in (RGB/Component Video) HD15 out (RGB/Component Video) Composite Video in/out with audio in** (BNC (x2)) Component Video in with audio in** (pin jack (x3))	HD15 in with audio in (RGB/Component Video) HD15 out (RGB/Component Video) Composite Video in/out with audio in** (BNC (x2)) Component Video in with audio in** (pin jack (x3))
Remote Control	Network port (RJ45, 10BASE-T/100BASE-TX) RS-232C (D-sub 9-pin, straight)	Network port (RJ45, 10BASE-T/100BASE-TX) RS-232C (D-sub 9-pin, straight)	Network port (RJ45, 10BASE-T/100BASE-TX) RS-232C (D-sub 9-pin, straight)
Audio	Audio out (L/R, pin jack (x2))	Audio out (L/R, pin jack (x2))	Audio out (L/R, pin jack (x2))
Speaker Out	L/R, 7 W + 7 W, 6 ohms	L/R, 7 W + 7 W, 6 ohms	L/R, 7 W + 7 W, 6 ohms
Option Slot	x1 for BKM-FW16	x1 for BKM-FW16	x1 for BKM-FW16
General			
Power Requirements	AC 100 V to 240 V, 50/60 Hz, 2.9 A (maximum)	AC 100 V to 240 V, 50/60 Hz, 1.4 A (maximum)	AC 100 V to 240 V, 50/60 Hz, 1.45 A (maximum)
Power Consumption	250 W (typical) 290 W (maximum)	100 W (typical) 140 W (maximum)	108 W (typical) 145 W (maximum)
Operating Temperature	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
Storage Temperature	-10°C to 40°C (14°F to 104°F)	-10°C to 40°C (14°F to 104°F)	-10°C to 40°C (14°F to 104°F)
Humidity	20% to 90%, no condensation	20% to 90%, no condensation	20% to 90%, no condensation
Dimensions (w x h x d)	1,253.0 x 723.8 x 120.0 mm (49 3/8 x 28 1/2 x 4 3/4 inches) (excluding protruding parts)	1,053.6 x 608.2 x 84.0 mm (41 1/2 x 24 x 3 3/8 inches) (excluding protruding parts)	967.8 x 560.7 x 88.0 mm (38 1/8 x 22 1/8 x 3 1/2 inches) (excluding protruding parts)
Mass	35.7 kg (78.7 lb)	22.7 kg (50.0 lb)	20.2 kg (44.5 lb)
Regulation Compliance	UL, CSA, CE, GOST-R, IEC, FCC Class B, IC, CISPR, ErP Lot6	UL, CSA, CE, GOST-R, IEC, FCC Class B, IC, CISPR, ErP Lot6	UL, CSA, CE, GOST-R, IEC, FCC Class B, IC, CISPR, ErP Lot6
Supplied Accessories	AC power cord (x1), AC plug holder (x2), Cable holder (x6), Remote Control RM-FW002 (x1), Size AA (R6) batteries (x2), Operating instructions (x1)	AC power cord (x1), AC plug holder (x2), Cable holder (x6), Remote Control RM-FW002 (x1), Size AA (R6) batteries (x2), Operating instructions (x1)	AC power cord (x1), AC plug holder (x2), Cable holder (x6), Remote Control RM-FW002 (x1), Size AA (R6) batteries (x2), Operating instructions (x1)

* Measured at contrast ratio of more than 10:1
** Component video and composite video share an audio input (stereo mini jack (x1))

Optional Accessories

HD-SDI/SDI Input Adaptor BKM-FW16	Tabletop Stand SU-S02	Speaker Systems SS-SPG02	Wall Bracket WBPM1-Slim

For full features visit www.pro.sony.eu/products/publicdisplay

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